

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): An in-wheel motor system having a hollow direct drive motor which is provided in a wheel and whose stator side is supported to a part around the wheel of a vehicle by at least one of elastic bodies and/or an attenuation mechanism, wherein

a motor rotor and a wheel or a hub are interconnected by a coupling mechanism which comprises two hollow disk-like plates having a plurality of grooves formed on their opposed surfaces in the circumferential direction at an angle of 45° from the radial direction of the plates and extending in directions orthogonal to each other, small balls sandwiched between the grooves in such a manner that they can slide, an intermediate plate interposed between the hollow disk-like plates and having guide holes for guiding the small balls in a direction orthogonal to the radial direction of the plates.

2. (original): The in-wheel motor system according to claim 1 which comprises an elastic annular dust boot for storing a slide mechanism having the above small steels, grooves and guide holes.

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